



DGDC Meeting Minutes - **DRAFT**

February 14, 2019

Attendance List:

Alyssa Baker	JMT
David Braig	Magnolia River
Madeline Brooks	Christiana Care
Lori Brown	DNREC-NPS
Tommy Burton	Artesian Water
Kim Cloud	DTI
Daniel Cook	DTI
Adam Crosby	Delaware Greenways
Justin Cusick	Esri
Taryn Davidson	Kent County
Francesco DiPablo	JMT
Sharon Dutton	DSHA
Bart Gill	Dept. of Education
Lauren Good	KCI
Evan Hayes	Sharp Energy
Jay Hodny	City of Newark
James Hoff	USAF/DAFB
Ron Holmes	New Castle County
George Houck	Kent County
Renee Hupp	DEMA
Samantha Hutton	New Castle County
Kym Kelly	Del Tech Community College
Jimmy Kroon	Dept. of Agriculture
Matthew Laick	Div Comm
Johnathan Mann	Century Engineering
Thomas Match	Town of Smyrna
Morgan McGee-Soloman	DNREC
Nicole Minni	UD-IPA
Carlton Phillips	DelDOT
Miriam Pomilio	OSPC
Mark Prettyman	DNREC
Mollie Raley-Hall	DelDOT
Bryan Ross	DE Air National Guard
Lori Schnick	Winterthur
Mary Schorse	Del Geographic Alliance
Jason Sealy	Cyclomedia
William Seybold	DE Forestry Service
Chris Siple	New Castle County
Olena Smith	Univ. of Delaware
Eddie Starr	Pictometry
Debbie Sullivan	DTI
Jonathon Taswell	DSHA
Doyle Tiller	DE Facilities Management
Mike Townshend	DTI
Art Walker	USDA-NRCS
Dan Warner	DGS
Julia Wolinski	Pennoni Associates

Welcome & Introductions

Miriam Pomilio started the meeting at 10:10 am. She welcomed everyone to the meeting and introductions were made.

November 8, 2018 Meeting Minutes

George Houck made a motion to approve the November 8, 2018 Meeting Minutes (PDF). The motion was seconded by Taryn Davidson and it passed unanimously.

Geospatial Education Committee

Nicole Minni the chair of the Geospatial Education committee reported that she has been working with Brandywine Springs Elementary teacher, Sonya Saunders, on some Story Maps and sharing them with the Parent Teacher Organization.

Kym Kelly from DelTech's GIS program indicated she is working with Geo Tech organization and DelTech will be hosting a regional workshop at June 25 -27 at their Stanton Campus. This workshop is open to teachers focused on 9th grade through College. This workshop will focus on teaching how to use ArcGIS Pro.

Kym also relayed that the Delaware Science Olympiad coordinators are looking for judges for their Geologic Mapping event this year. The judge should have Geology knowledge as well as GIS skills to judge maps from High school level. If interested

please contact Kym Kelly and she will get you to the right person.

Mary Schorse with the Delaware Geographic Alliance (DGA) reported that UD and DelTech continue to create a Geo-technology Pathway for high school students in Delaware. They need to find schools and teachers willing to pilot this program. They may also be able to use GIS Professionals to assist the schools by providing lectures and to provide assistance with teaching the curriculum. If you're interested in participating, please contact either Mary Schorse or Kym Kelly.

We continue to need additional GeoMentors, if you're interested in volunteering some of your time to schools and/or special educational events, please contact [Nicole Minni](#).

DGS Contour Update

Dan Warner from the Delaware Geological Survey provided an update on the status of new one foot contours for Delaware. DGS is in the process of final review of the contours. Dan said so far they look great and DGS hopes to have a final dataset to FirstMap for release in mid-March 2019. This data will be delivered to FirstMap as a geodatabase, split into county feature datasets with New Castle County split in half. The size should be reasonable and allows for smooth contours.

Land Use Land Cover Update – See below in Tech Advisory Notes

Miriam reported that DelDOT is in the final stages of approving the contract with AIS to provide updated Land Use Land Cover (LULC). In addition to the main data there were two add-on products: enhanced residential classifications for New Castle County (they are covering the upcharge) and enhanced Impervious Surface for the entire state. DelDOT, OSPC and DNREC had a discussion last week with AIS about the cost of the Impervious Surface data and we just got a revised cost. DNREC has offered to pay a portion of that upcharge. If we need additional funding we will reach out to agencies for that.

2020 Aerial Imagery Discussion

Miriam Pomilio reported that at the Technical Advisory Meeting it was discussed about possibly ramping up for a 2020 Aerial Imagery capture. Past flights have been 5 years apart but the goal was to get it closer to every 2 years. Since Homeland Security has a contract for every 2 years with Pictometry, they indicated that in their "off" year they may be able to pitch in towards aerial flights for the state.

Discussion about this ideas included questions about cost for previous flights (about \$100,000) as well as the specifications the state would need. Matt Laick indicated we should set our specifications. A working group did set specs for Aerial Imagery, LiDAR and LULC several years ago. It was suggested we revisit those specs and see if the agencies still require this level of data.

Eddie Starr, from Pictometry, indicated that he is working with his financial folks to see if they can offer a deal to the State to tack on to the existing contract they have with DSHS. This is a consideration but needs to be discussed with all the agencies.

Brian Ross, (National Guard) indicated he may be able to get funding towards the imagery. Also Lori Schnick from Winterthur inquired if non-state agencies were ever included in the “pass the hat” funding and we indicated we would certainly entertain contributions from them as well.

Mike Townshend suggested we move now, if we don’t get the funding for the earlier year, we are ready to go for the regular scheduled year. Miriam indicated she would send out meeting notice to discuss the specifications for aerial imagery and other options.

There was also a discussion about Lidar options. Miriam indicated she thought USGS has a program for grant funding and someone else suggested we look into what NASA has to offer regarding LiDAR.

Routable Centerline Service

Bernie Gilbert of DelDOT is working on a public routable centerline for the state. He has completed one for DelDOT’s use for Oversize Overweight vehicles. We hope to get an update soon from Bernie regarding the timing of this service.

Technical Advisory Committee and FirstMap Update – Mike Townshend

Long Term Planning for Geospatial Resources/Governance - Miriam had reported that this initiative is part of Governor Carney’s GEAR process so hopefully will get some traction. She further indicated DelDOT has offered to pay for UD-IPA to coordinate an effort to review how surrounding states handle this as well as hold workshops for State stakeholders to determine the best path forward. An update is due to the GEAR Committee in March.

FirstMap 2.0 Update – DTI is working hard on the FirstMap 2.0 migration. Kim Cloud reported that ESRI onsite next week to build test environment and then DTI will solicit agency testers to determine if anything needs to be tweaked. The target testing should be sometime in March 2019. With a Production target date sometime in April 2019 and then DTI will maintain a dual system until all agencies using FirstMap services can migrate over to the new environment.

The FirstMap team will do a demo of FirstMap 2.0 at the next DGDC quarterly meeting and the upcoming eDUG meeting.

Mike reported that there are discussions now about the use of ArcGIS HUB. Many state agencies are interested and DTI is working on a cost share funding for this product.

ArcGIS 10.6 upgrade - DTI has changed how software is pushed out for updates. Working with DTI to tailor the installs to specific needs of the user – there are some users that cannot migrate to 10.6 due to customized scripts and applications, so we can’t do a blanket push of the new software.

Kim reported that there is a RFP for new Enterprise License Agreement (ELA) for GIS Services. Since our current ELA is about to expire there will be some overlap and DTI is negotiating to extend the existing ELA until a new one can be contracted.

As always if you experience issues, please contact the team at FirstMap@state.de.us.

Presentation – DelDOT PAR Project Prioritization Application

Julia Wolanski from Pennoni Associates presented on the work they have been doing with DelDOT on Pedestrian Access and ADA Compliance inventory. A copy of her presentation is attached to these meeting minutes. You can also access a write-up of this project at [Pennoni's Perspective publication](#) online.

Presentation – Update on Delaware Drainage Drone Efforts

John Inkster from DNREC Drainage program presented work he has been working on using drones for Tax Ditch maintenance surveys. To see more about this effort, check out his [Story Map](#).

Federal Update

USGS – Roger Barlow was not able to attend but sent the following update: Lidar Data from the cloud: The [USGS 3D Elevation Program \(3DEP\)](#) has announced the availability of a new way to access and process Lidar point cloud data from the 3DEP repository. The USGS has been refining new mechanisms to access 3DEP data beyond simple downloads. With 3DEP's adoption of cloud storage and computing, users now have the option to work with massive Lidar point cloud datasets without having to download them to local machines. 3DEP has been acquiring three-dimensional information across the U.S. using light detection and ranging (Lidar) technology- an airborne laser-based remote sensing technology that collects billions of Lidar returns while flying- and making results available to the public.

Census – Kim Cloud from DTI indicated the Governor's office has established the Complete County Commission and they are in the process of organizing their subcommittees to make sure Delaware is fully counted in the 2020 Census. Kim indicated they will be working on a Story Map to get the word out to the Delaware folks. Kim also indicated DTI is evaluating various software and tools to assist with the Redistricting. They have narrowed their search to Maptitude and Esri tools.

NRCS – Art Walker indicated the updated Soils data is available in FirstMap.

Academia Update

Delaware Technical College – Kym Kelly announced that DelTech is holding an Engineering Technology Expo March 19, 2019 between 2:30 – 5:00 pm. She is looking for additional GIS representation. Not just

engineers, but anyone who uses GIS In their work, is welcome to present at the Expo. Contact [Kym Kelly](#) directly if interested in presenting. For more information about the Expo or to register, please check out their [website](#).

Open Comment Period

The meeting was running late and no one provided additional comments at this meeting.

Next Quarterly Meeting

The next DGDC Quarterly Meeting will be on May 9, 2019 starting at 10 am and will be held at the Delaware Department of Agriculture. All future meetings will have [Skype and/or Conference call accessibility](#).

Adjournment

Dan Cook made a motion to adjourn the meeting and it was seconded by Renee Hupp. The meeting was adjourned at 12:20 pm.



CONTRACT NO. T201801401 PAR PRIORITIZATION PLAN AND DELDOT TRANSITION PLAN SUPPORT

Delaware Geographic Data Committee (DGDC)

February 14, 2019



PARTNERS FOR WHAT'S POSSIBLE

www.pennoni.com

Agenda

- DelDOT Transition Plan
- DelDOT ADA Inventory
- Pennoni and DelDOT Agreement
- Pennoni's PAR Prioritization Application...Launch
- Q&A, Thank you!

DelDOT Transition Plan

www.deldot.gov

The screenshot displays the DelDOT website interface. At the top, the navigation bar includes links for Agencies, News, Topics, and Contact. The main header features the Delaware.gov logo and a search icon. Below this, a secondary navigation bar lists ABOUT, CITIZEN, BUSINESS, SERVICES, CONTACTS, and TRANSLATE. The main content area is dominated by a large blue banner for the "BRIDGE DESIGN COMPETITION". The text on the banner describes the competition as a hands-on engineering event for students, aimed at encouraging interest in math, science, and engineering. It includes a "Find out More...." link. To the left of the banner is a "Customize Content" sidebar. Below the banner, a row of icons represents various services: INTERACTIVE MAPS, TRAFFIC CAMERAS, TRAVEL ADVISORIES, DART BUS STOPS, DELDOT GATEWAY, TOLL RATES, REPORT AN ISSUE, PROJECTS, and TRAFFIC UPDATES. The bottom of the image shows a Windows taskbar with the search bar and several application icons, including Edge, Word, Excel, and PowerPoint. The system clock indicates 4:12 PM on 2/12/2019.

Delaware.gov

Agencies News Topics Contact

Service

ABOUT CITIZEN BUSINESS SERVICES CONTACTS TRANSLATE

DELAWARE DEPARTMENT OF TRANSPORTATION

Online Services

BRIDGE DESIGN COMPETITION

The Delaware Bridge Design Competition is a hands-on engineering competition aimed to engage students interested in math, science, and engineering fields. The program is designed to encourage middle and high school students to address real-world problems and inspire them to consider careers in transportation and civil engineering. [Find out More....](#)

Customize Content

INTERACTIVE MAPS TRAFFIC CAMERAS TRAVEL ADVISORIES DART BUS STOPS DELDOT GATEWAY TOLL RATES REPORT AN ISSUE PROJECTS TRAFFIC UPDATES

Type here to search

4:12 PM 2/12/2019

DelDOT Transition Plan

www.deldot.gov

The screenshot displays the DelDOT website interface. At the top, a navigation bar includes links for 'ABOUT', 'CITIZEN', 'BUSINESS', 'SERVICES', 'CONTACTS', and 'TRANSLATE'. Below this, a search bar and a magnifying glass icon are visible. The main content area features two prominent buttons: 'MORE NEWS' (orange) and 'MORE WORKSHOPS' (blue). A vertical sidebar on the left is labeled 'Customize Content'. Below the buttons, a section titled 'CONNECT WITH US' displays various social media and service icons. The footer is a dark blue banner with the DelDOT logo, contact information (Toll Free: (800) 652 5600, In Delaware: (302) 760 2080, Email: dotpr@state.de.us), and a list of services including Online Services, Live Traffic Camera, Oversize Permits, Real Time Traffic, Toll Calculator for SR 1, and Report Road condition. A large red arrow points down towards the footer section. The Windows taskbar at the bottom shows the time as 4:14 PM on 2/12/2019.

https://www.deldot.gov/

Home - Delaware Departm... (17) Yammer : Home Home - Project Management Global Performance - Operatio...

Delaware DELAWARE DEPARTMENT OF TRANSPORTATION

ABOUT CITIZEN BUSINESS SERVICES CONTACTS TRANSLATE

MORE NEWS MORE WORKSHOPS

Customize Content

CONNECT WITH US

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Secretary Message
Press Releases
Divisions
FAQs
DMV | DART | EZPass

INFORMATION
Business
Requests
Archaeology
ADA Information

SERVICES
Online Services
Live Traffic Camera
Oversize Permits
Real Time Traffic
Toll Calculator for SR 1
Report Road condition

Type here to search

4:14 PM 2/12/2019

DeIDOT Transition Plan

www.deldot.gov

“As Secretary of the Department of Transportation, I make this personal vow to the citizens of Delaware – DeIDOT will uphold the vision and policies presented in this Plan. I also recognize that our success at making our transportation system fully accessible depends on the coordinated efforts of all levels of government, the public, and the policies and strategies outlined in the Plan. We will continue to be the leader in ensuring that this coordination happens.”



DeIDOT ADA Inventory

www.deldot.gov

The screenshot shows the DeIDOT ADA Inventory website. At the top, there is a navigation bar with links: ABOUT, CITIZEN, BUSINESS, SERVICES, CONTACTS, and TRANSLATE. Below this is a search bar and a magnifying glass icon. The main content area features two large buttons: "MORE NEWS" (orange) and "MORE WORKSHOPS" (blue). Below these is a section titled "CONNECT WITH US" with various social media icons (Facebook, Twitter, YouTube, Flickr, WordPress, RSS, etc.). A large red arrow points down from the "CONNECT WITH US" section to the footer. The footer contains contact information for DeIDOT, including a toll-free number, Delaware number, and email address. It also lists services such as Online Services, Live Traffic Camera, Oversize Permits, Real Time Traffic, Toll Calculator for SR 1, and Report Road condition. The bottom of the page shows a Windows taskbar with various application icons and the system clock.

Customize Content

https://www.deldot.gov/

Home - Delaware Departm... (17) Yammer : Home Home - Project Management Global Performance - Operatio...

DELaware DELAWARE DEPARTMENT OF TRANSPORTATION

ABOUT CITIZEN BUSINESS SERVICES CONTACTS TRANSLATE

MORE NEWS

MORE WORKSHOPS

CONNECT WITH US

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DeIDOT

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FAQs
DMV | DART | EZPass

Information

Business
Requests
Archaeology

ADA Information

SERVICES

Online Services
Live Traffic Camera
Oversize Permits
Real Time Traffic
Toll Calculator for SR 1
Report Road condition

Toll Free: (800) 652 5600
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Email: dotpr@state.de.us

Type here to search

4:14 PM 2/12/2019

DeIDOT ADA Inventory

www.deldot.gov



ABOUT ▾ CITIZEN ▾ BUSINESS ▾ SERVICES ▾ CONTACTS ▾ TRANSLATE

DELAWARE DEPARTMENT OF TRANSPORTATION

Americans with Disability Act (ADA)

Section Home 

Information 

Contact Us 

Community Relations 

☎ 302.760.2080

☎ 800.652.5600



Calendar

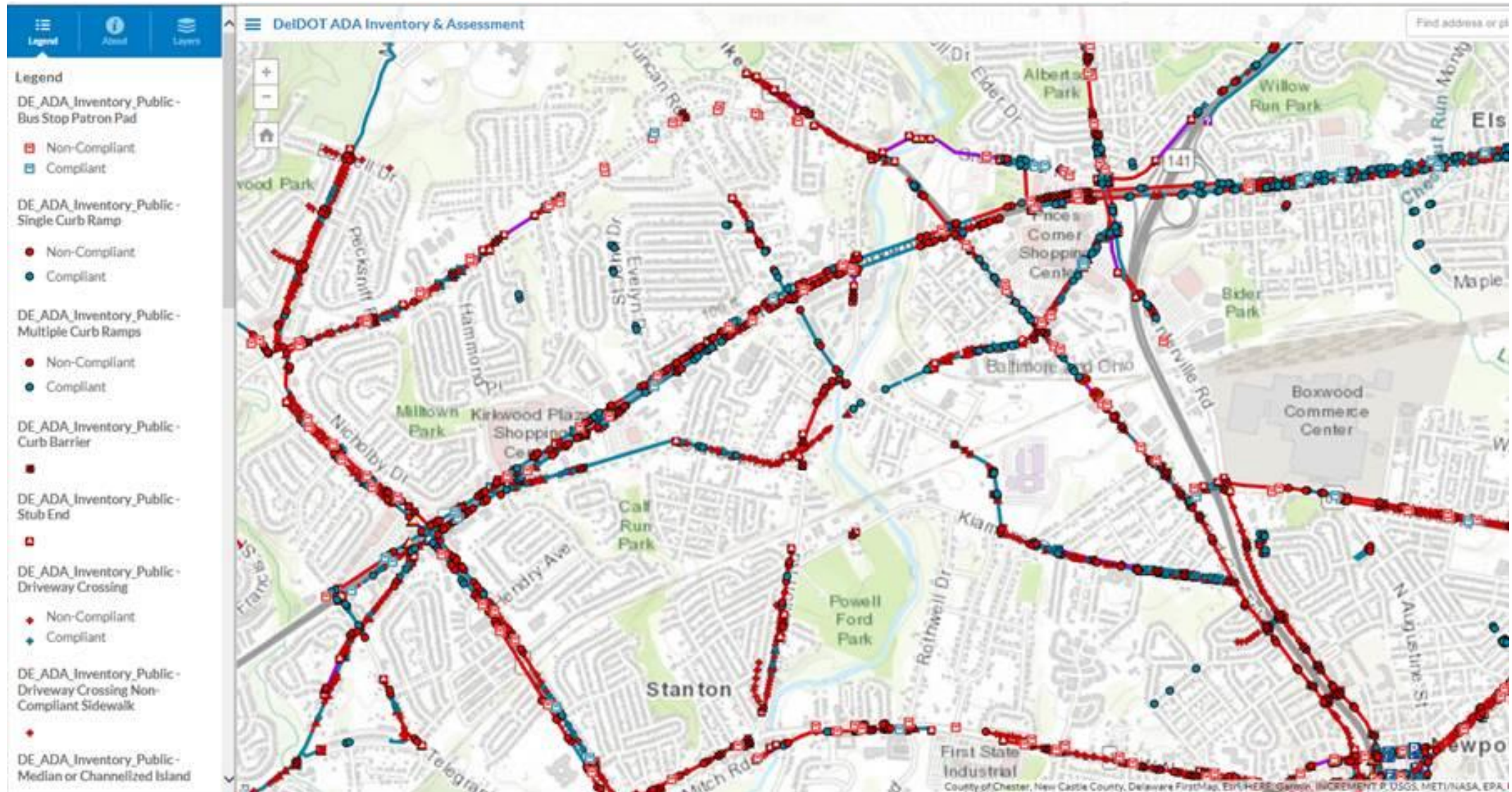
DeIDOT ADA Inventory & Assessment App

This application contains data that portrays the pedestrian facility inventory and ADA assessment of these facilities located in the DeIDOT right of way as of December 2011 for Kent and Sussex counties and June 2012 for New Castle County. Facilities under construction, constructed or repaired from September 2011 through June 2012 and later in the respective counties are not represented within this data. Information Materials can be made available in an alternative format by emailing the DeIDOT ADA Title II/Section 504 Coordinator at Todd.Webb@state.de.us or by calling: (302) 760-2048.



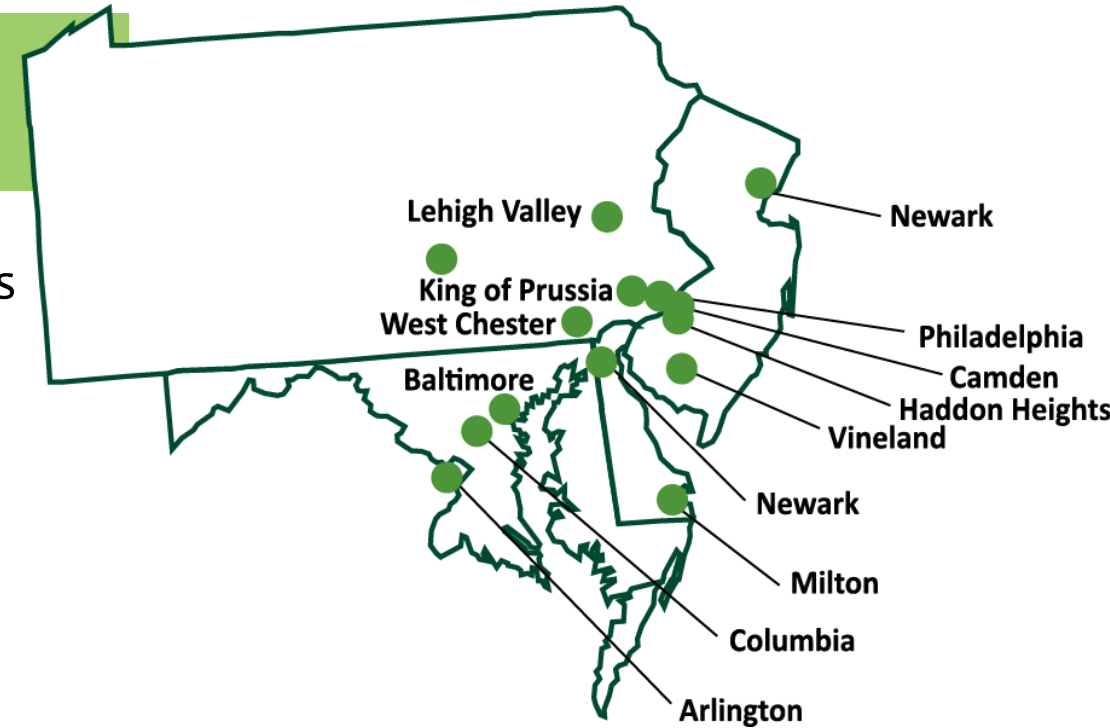
DeIDOT ADA Inventory

www.deldot.gov



Pennoni and DelDOT

- DelDOT Agreement 1791 – P&R and Pedestrian Access Routes (PAR)
- In the Mid-Atlantic Region, Pennoni is working with DelDOT, PennDOT, Pennsylvania Turnpike Commission, MDSHA, MDTA, VADOT, NJDOT and numerous municipalities

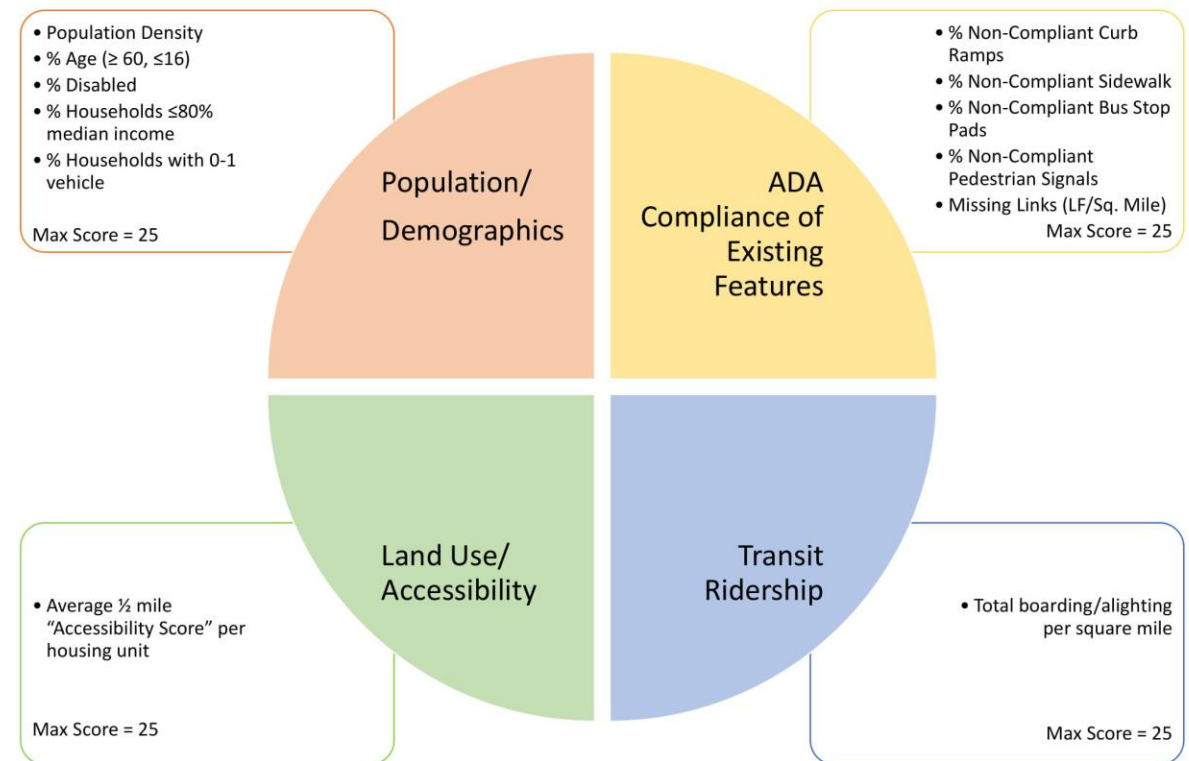
**220+**SITE/CIVIL ENGINEERS,
PLANNERS, LANDSCAPE
ARCHITECTS, &
SURVEYORS**75+**STRUCTURAL, MEP,
FOUNDATION/
GEOTECHNICAL
ENGINEERS**275+**PROJECT MANAGERS,
CONSTRUCTION
MANAGERS AND
INSPECTORS**295+**ADMINISTRATIVE,
DESIGN, CADD,
TECHNICIANS, & OTHER
PERSONNEL

- **Newark, DE Transportation Group**
 - Philip Horsey, PE – Transportation Division Manager
 - 25+ Highway, Traffic & Bridge Engineers
- **Philadelphia, PA Technology Solutions**
 - Julia Wolanski, PSM – GIS Specialist

DelDOT Prioritization Application

- Supports DelDOT to evaluate the estimated 230.5 sidewalk miles, 6400 curb ramps, and 1450 bus stop patron pads identified by others as being non-compliant.
- Ranks potential PAR projects by county to help distribute improvements across the State.

PAR Prioritization Tool



Thank you!

- PAR Project Manager:
 - ❖ Thomas Nickel
- ADA Title II / Section 504 Coordinator
 - ❖ Todd Webb, ADAC
- Principal Planner / GIS Coordination:
 - ❖ Miriam L. Pomilio,
Office of State Planning Coordination

